

Patent Abstracts of Japan

PUBLICATION NUMBER : 2000056259
PUBLICATION DATE : 25-02-00

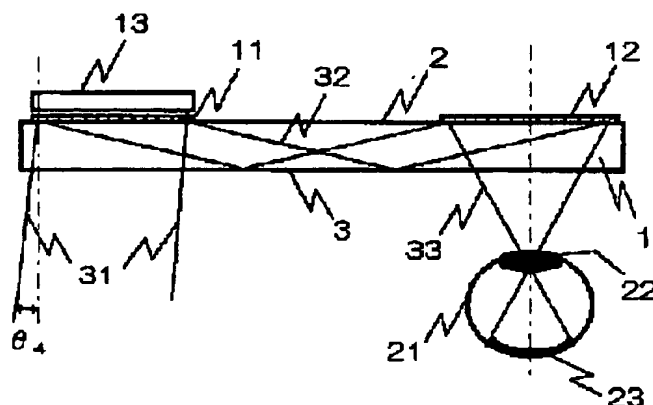
APPLICATION DATE : 10-08-98
APPLICATION NUMBER : 10238013

APPLICANT : FUJI XEROX CO LTD;

INVENTOR : OGASAWARA YASUHIRO;

INT.CL. : G02B 27/02 G02B 5/32 G02F 1/1335
G09F 9/00

TITLE : PICTURE DISPLAY DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To provide a display device which is small in size and is capable of obtaining a picture having high picture quality.

SOLUTION: This picture display device is provided with a transparent substrate 1, first and second diffraction elements 11, 12 arranged on the surface of the substrate 1 and the spatial modulating device for picture display 13 arranged facing onto the first diffraction element 11. The light from the spatial modulating device for picture display which is irradiated with an illuminating light is diffracted by the first diffraction element 11 and after the diffracted light is reflected on the inner surface of the substrate 11, it is made incident on the second diffraction element 12. Then, a picture is displayed by allowing the second diffraction element 12 to diffract this diffracted light again to converge the light on the pupil 22 of an eyeball 21.

COPYRIGHT: (C)2000,JPO